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Patrick Kwon

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Education

Columbia University **New York, NY** **Expected Dec 2019**
Master of Science, Data Science, GPA: 3.9/4.0
Classes: Algorithms for Data Science, Machine Learning for Data Science, Database Systems, Statistical Inference, Image Analysis.

University of Virginia **Charlottesville, VA** **Aug 2015 – May 2017**
B.A. in Computer Science & Statistics (Econometrics Concentration), GPA: 3.8/4.0
Courses: Database Systems, Data Analysis w/ Python, Mobile App Development.
Awards: Dean's List (4 out of 4 semesters), UVA Order of the Orange Stole.

Data Science Professional Experience

Bluehole Studio **Data Analyst** **Jun 2017 – July 2018**
Provided data-centered insight for business decisions *(Tools Used: Python, R Studio, C#)*

- Provided +20 data analysis papers on TERA, Bluehole Studio's leading MMORPG Title.
- Upgraded the company's former Business Intelligence system.

Project #1: Tera Reader Dec 2017

- Implemented web scraping and natural language processing skills to collect data from different video game community websites and to generate a clear picture of video game trends. Helped developers on making future game update decisions.

Project #2: World Map Feb 2018

- Created a data visualization tool that involved locating user positions in online video games real time.
- Later upgraded to detect current & potential in-game hackers of MMORPG Games.

University of Virginia **Teaching Assistant** **Aug 2016 – Dec 2016**
Class: Discrete Mathematics.

Data Science Research & Projects

Pally **Columbia University** **Dec 2018**
Project on improving social skills for autistic children using Augmented Reality (w/ Hololens) and 5G Network.

- Focused on using computer vision and natural language processing to help autistic children understand the behavior of others.
- Awarded as a winning project for Verizon 5G EdTech Challenge .

Resc You **Columbia University** **Sep 2018**
Project on using Facial Recognition to contact people with needs during emergency situations, using IBM Cloud.

- Focused on developing an application that identifies registered personnel from pictures taken from mobile devices, for easy guidance during emergency situations.
- Awarded 1st place on IBM Call for Code Columbia Hackathon

Technical Skills & Training

Technical Skills

Web Scraping, Natural Language Processing, Computer Vision, Machine Learning
Python (Scipy, Tensorflow, Keras), Java, R Studio, MySQL, C++, C#

Additional Coursework

Coursera: Machine Learning (Aug 2017), Neural Networks and Deep Learning (Sept 2018), Structuring Machine Learning Projects (Oct 2018), Convolutional Neural Networks (Jan 2019)